

CLAIMS:

1. A cluster mill, in particular a six-high cluster mill, comprising an axial displacing and holding device for displaceably supported intermediate rolls and/or working rolls, wherein chocks are slidably displaced in rolling mill stands in a direction of a roll separating force, and wherein the intermediate rolls and/or working rolls, together with their respective chocks, are displaceable in axial opposite directions by hydraulic piston-cylinder units acting in a direction of roll axes, with both piston rods being pivotally connected by a respective main traverse,

characterized in that

moving beams (1a), which are arranged on opposite sides of the roll chock (7), are supported in a rolling mill stand housing post (1) by a respective connecting traverse (2), that the connecting traverses (2) are pivotally connected to the middle of the main traverse (4), wherein the piston rods (5a) of the piston-cylinder units (5) are pivotally connected to ends (4a, 4b) of the main traverse (4), and wherein each piston-cylinder unit (5) is controlled according to path by a displacement sensor (10).

2. A cluster mill according to claim 1,

characterized in that

on a drive side, between the moving beams (1a), in the roll chock (7), a locking block (8) for locking the roll (11) is arranged.

3. A cluster mill according to claim 1,

characterized in that

a tightening member (9) connects the roll chock (7) with the locking block (8).

4. A cluster mill according to one of claims 1 through 3,

characterized in that

the connecting traverse (2) is connected with the locking block (8) by an axially acting, tightening disc (12) arranged in an interior of the connecting traverse (2) in the middle thereof.

5. A cluster mill according to claim 4,

characterized in that

the tightening disc (12) is operated by a hydraulic tightening device (9a).

6. A cluster mill according to one of claims 1 through 5,

characterized in that

a length of the displacement path (13) is calculated as a mean value of two displacement paths (13) determined by associated displacement sensors (10).

7. A cluster mill according to one of claims 1 through 6,

characterized in that

the calculated mean value of the displacement paths (13), which was determined by the two displacement sensor (10), is communicated to respective automatic control circuits of the piston-cylinder units (5).